

Appl. No. : 10/063,672
Filed : May 7, 2002

AMENDMENTS TO THE CLAIMS

1-3. (Canceled).

4. (Currently Amended) ~~The An isolated nucleic acid of Claim 1~~ having at least 95% nucleic acid sequence identity to:

~~(a) a nucleic acid sequence encoding the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10;~~

~~(b) a nucleic acid sequence encoding the extracellular domain of the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10 wherein said extracellular domain is amino acids 81-109 or 232-253 of SEQ ID NO: 10;~~

~~(a)(e) the nucleic acid sequence of SEQ ID NO:9;~~

~~(b)(d) the full-length coding sequence of nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9; or~~

~~(c)(e) the full-length coding sequence of nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922;~~

wherein said isolated nucleic acid is more highly expressed in normal lung tissue compared to lung tumor, ~~or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal lung tissue compared to lung tumor.~~

5. (Currently Amended) The isolated nucleic acid of ~~Claim 1~~ Claim 4 having at least 99% nucleic acid sequence identity to:

~~(a) a nucleic acid sequence encoding the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10;~~

~~(b) a nucleic acid sequence encoding the extracellular domain of the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10 wherein said extracellular domain is amino acids 81-109 or 232-253 of SEQ ID NO: 10;~~

~~(a)(e) the nucleic acid sequence of SEQ ID NO:9;~~

~~(b)(d) the full-length coding sequence of nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9; or~~

~~(c)(e) the full-length coding sequence of nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922;~~

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wherein said isolated nucleic acid is more highly expressed in normal lung tissue compared to lung tumor, ~~or wherein said isolated nucleic acid encodes a polypeptide that is more highly expressed in normal lung tissue compared to lung tumor.~~

6. (Currently Amended) An isolated nucleic acid comprising:

~~(a) a nucleic acid sequence encoding the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10;~~

~~(b) a nucleic acid sequence encoding the extracellular domain of the polypeptide having the amino acid sequence of amino acids 34-321 of SEQ ID NO:10 wherein said extracellular domain is amino acids 81-109 or 232-253 of SEQ ID NO: 10;~~

~~(a)~~(e) the nucleic acid sequence of SEQ ID NO:9;

~~(b)~~(d) ~~the full-length coding sequence of~~ nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9; or

~~(c)~~(e) ~~the full-length coding sequence of~~ nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922.

7-10. (Cancelled)

11. (Previously Presented) The isolated nucleic acid of Claim 6 comprising the nucleic acid sequence of SEQ ID NO:9.

12. (Currently Amended) The isolated nucleic acid of Claim 6 comprising ~~the full-length coding sequence of~~ nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9.

13. (Currently Amended) The isolated nucleic acid of Claim 6 comprising ~~the full-length coding sequence of~~ nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922.

14. (Currently Amended) An isolated nucleic acid that hybridizes under stringent conditions to:

(a) the nucleic acid sequence of SEQ ID NO:9 or a complement thereof;

(b) ~~the full-length coding sequence of~~ nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9 or a complement thereof; or

(c) ~~the full-length coding sequence of~~ nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922 or a complement thereof,

wherein said stringent conditions comprise 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x

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Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C; and

wherein said isolated nucleic acid is at least about 1000 nucleotides in length; and
wherein said isolated nucleic acid molecule is suitable for use as a PCR primer or probe.

15. (Cancelled).
16. (Canceled).
17. (Currently Amended) A vector comprising the nucleic acid of ~~Claim 1~~ Claim 4.
18. (Original) The vector of Claim 17, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
19. (Currently Amended) A An isolated host cell comprising the vector of Claim 17.
20. (Original) The host cell of Claim 19, wherein said cell is a CHO cell, an E. coli or a yeast cell.
21. (New) An isolated nucleic acid having at least 95% nucleic acid sequence identity to:

- (a) the nucleic acid sequence of SEQ ID NO:9;
- (b) nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9; or
- (c) nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922;

wherein said isolated nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO:9 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

22. (New) The isolated nucleic acid of Claim 21 having at least 99% nucleic acid sequence identity to:
 - (a) the nucleic acid sequence of SEQ ID NO:9;
 - (b) nucleotides 100-966 of the nucleic acid sequence of SEQ ID NO:9; or

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(c) nucleotides 100-966 of the cDNA deposited under ATCC accession number 209922;

wherein said isolated nucleic acid hybridizes to the complement of a nucleic acid of SEQ ID NO:9 under conditions of 50% formamide, 5 x SSC (0.75 M NaCl, 0.075 M sodium citrate), 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5 x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C, with washes at 42°C in 0.2 x SSC (sodium chloride/sodium citrate) and 50% formamide at 55°C, followed by a high-stringency wash consisting of 0.1 x SSC containing EDTA at 55°C.

23. (New) A vector comprising the nucleic acid of Claim 21.

24. (New) The vector of Claim 23, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.

25. (New) An isolated host cell comprising the vector of Claim 23.

26. (New) The host cell of Claim 25, wherein said cell is a CHO cell, an E. coli or a yeast cell.